

**AIR PERMIT BRIEFING SHEET
PERMITS DIVISION
LOUISIANA DEPARTMENT OF ENVIRONMENTAL QUALITY**

**UTILITIES AREA
AGENCY INTEREST NO.: 2367
SYNGENTA CROP PROTECTION, INC – ST. GABRIEL PLANT
ST. GABRIEL, IBERVILLE PARISH, LOUISIANA**

I. Background

Syngenta Crop Protection - St. Gabriel Plant, manufactures and formulates pesticides and specialty chemicals. The plant is located on River Road (LA. 75), approximately 0.5 miles south of the intersection of La. 74 and River Road in Iberville Parish. Syngenta took ownership from Novartis Crop Protection, Inc. in January 2001. The Utilities area operates under Permit No. 2610-V1 dated January 15, 2002.

This is the Part 70 operating permit for the Utilities Area only.

II. Origin

A permit application and Emission Inventory Questionnaire were submitted by Syngenta Crop Protection - St. Gabriel Plant on December 1, 2003, as well as additional information dated May 11, 2005, October 30, 2006, and November 9, 2006, requesting a Part 70 operating permit renewal/modification.

III. Description

The Syngenta St. Gabriel Plant manufactures and formulates pesticides and specialty chemicals. Specific processes include: 1) manufacture, formulation, and packaging of s-triazine herbicides, 2) manufacture of hydrogen cyanide, a raw material, 3) manufacture, formulation, and packaging activities for various other pesticides, and specialty chemicals, and 4) supportive activities for the above which include effluent treatment systems, maintenance, utilities, analytical and quality control. Additionally, hazardous and non-hazardous solid waste streams are incinerated in the St. Gabriel Plant multi-purpose rotary kiln incinerator.

The Utilities Area at the St. Gabriel Plant site, including miscellaneous tanks and maintenance activities located throughout the facility, provides steam, nitrogen, water, air and other needed services to the various units and building located on-site. Steam production is the predominant operation in the utilities area. Equipment utilized to generate steam requiring air permitting is Utility Boiler B (Emission Point 007). Emissions are also generated from the Utility Cooling Towers (Emission Point CT-A and CT-B).

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The proposed modifications are as follows:

1. Update of emissions utilizing the latest AP-42 factors;
2. Inclusion of existing cooling towers (CT-A and CT-B);
3. Incorporate Case-By-Case Insignificant Activity Notification for the Benzene Removal Unit;
4. Reconcile minor changes since the initial Part 70 application and permit; and
5. Delete Emission Point 006 (Boiler A).

Estimated emissions in tons per year are as follows:

<u>Pollutant</u>	<u>Emissions</u>		
	<u>Before</u>	<u>After</u>	<u>Change</u>
PM ₁₀	5.70	12.36*	+ 6.66
SO ₂	0.70	0.35	+ 0.35
NO _x	117.50	30.22	- 87.28
CO	81.20	55.91	- 25.29
VOC	3.97	3.02	-0.95

* Emission Points CT-A and CT-B were omitted previous from permit (9.82 tpy).

<u>Pollutant</u>	<u>Emissions</u>
Benzene	0.001
Total	0.001

IV. Type of Review

This permit was reviewed for compliance with 40 CFR 70, the Louisiana Air Quality Regulations, and New Source Performance Standards (NSPS). NESHAP and Prevention of Significant Deterioration do not apply.

This facility is a major source of toxic air pollutants (TAPs) pursuant to LAC 33:III.Chapter 51.

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V. Credible Evidence

Notwithstanding any other provisions of any applicable rule or regulation or requirement of this permit that state specific methods that may be used to assess compliance with applicable requirements, pursuant to 40 CFR Part 70 and EPA's Credible Evidence Rule, 62 Fed. Reg. 8314 (Feb. 24, 1997), any credible evidence or information relevant to whether a source would have been in compliance with applicable requirements if the appropriate performance or compliance test or procedure had been performed shall be considered for purposes of Title V compliance certifications. Furthermore, for purposes of establishing whether or not a person has violated or is in violation of any emissions limitation or standard or permit condition, nothing in this permit shall preclude the use, including the exclusive use, by any person of any such credible evidence or information.

VI. Public Notice

A notice requesting public comment on the permit was published in The Advocate **December xx, 2006**, and submitted to the Iberville Parish Library on **December xx, 2006**. A copy of the public notice was mailed to concerned citizens listed in the Office of Environmental Services Public Notice Mailing List on **December xx, 2006**. The draft permit was also submitted to US EPA Region VI on **December xx, 2006**. All comments will be considered prior to the final permit decision.

VII. Effects on Ambient Air

Dispersion Model Used: None

Pollutant	Time Period	Calculated Maximum Ground Level Concentration	Louisiana Air Quality Standard (NAAQS)
Not Applicable			

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VIII. General Condition XVII Activities

Activity	Frequency	Pollutant	TPY
N/A			

IX. Insignificant Activities:

<u>ID No.:</u>	<u>Description</u>	<u>Capacity</u>	<u>Citation</u>
2605-F14	Waste Oil Storage	560 gal	LAC 33:III.501.B.5.
2605-F3	Bulk Oil "DTE Oil BB"	560 gal	
2605-F4	DTE Heavy/Medium Oil	560 gal	
2605-F9	Waste Oil	1,080 gal	
2606-F	Diesel Tank	1,000 gal	
2801-LF1	Day Tank "Diesel"	400 gal	
3255-LF1	Oil Storage	560 gal	
2009	Diesel (5 tanks)	280 gal ea	
2011-F	98% Sulfuric Acid	5,000 gal	
2012-F	East Demin Waste	30,000 gal	
2012-FA	West Demin Waste	30,000 gal	
2012-L	Diesel for Emergency Generator	-	
2015-F	Polymer Mixing	500 gal	
2016-UL	Sulfuric Acid Regenerator	-	
2017-UL	Caustic Regeneration	470 gal	
-	Sodium Bromide	3,000 gal	
-	Corrosion Inhibitor	3,000 gal	
2203-F	Lime Slurry	11,000 gal	

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X. Applicable Louisiana and Federal Air Quality Requirements

ID No.:	Description	LAC 33:III:Chapter											
		5 [▲]	9	11	13	15	21	22	29	51*	52	56	59
	Utilities Area		1									1	
EQT220	CT-A: Cooling Tower A				1								
EQT221	CT-B: Cooling Tower B				1								
EQT222	007: Boiler B			1	1	1		1					

* The regulations indicated above are State Only regulations.

▲ All LAC 33:III Chapter 5 citations are federally enforceable including LAC 33:III.501.C.6 citations, except when the requirement found in the “Specific Requirements” report specifically states that the regulation is State Only.

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank – The regulations clearly do not apply to this type of emission source.

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X. Applicable Louisiana and Federal Air Quality Requirements												
ID No.:	Description	40 CFR 60 NSPS					40 CFR 63				40 CFR	40 CFR
		A	Da	Db	Dc	A	F	H	TT	YY	64	68
	Utilities Area	1									3	3
EQT220	CT-A: Cooling Tower A											
EQT221	CT-B: Cooling Tower B											
EQT222	007: Boiler B	1	3	1	3							

KEY TO MATRIX

- 1 -The regulations have applicable requirements which apply to this particular emission source.
-The emission source may have an exemption from control stated in the regulation. The emission source may not have to be controlled but may have monitoring, recordkeeping, or reporting requirements.
- 2 -The regulations have applicable requirements which apply to this particular emission source but the source is currently exempt from these requirements due to meeting a specific criteria, such as it has not been constructed, modified or reconstructed since the regulations have been in place. If the specific criteria changes the source will have to comply at a future date.
- 3 -The regulations apply to this general type of emission source (i.e. vents, furnaces, towers, and fugitives) but do not apply to this particular emission source.

Blank - The regulations clearly do not apply to this type of emission source.

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XI. Explanation for Exemption Status or Non-Applicability of a Source		
ID No:	Requirement	Notes
Utilities Area	Compliance Assurance Monitoring [40 CFR 64]	DOES NOT APPLY. None of the emission points located in the Utilities Area meet all three applicability criteria.
	Chemical Accident Prevention Provisions [40 CFR 68]	DOES NOT APPLY. Utilities are not subject to this requirement.
	Emission Standards of Sulfur Dioxide [LAC 33:III.1503]	Exempt from control. SO ₂ < 100 TPY. Burns natural gas.
EQ7222 007: Boiler B	Standards of Performance for Electric Utility Steam Generating Units [40 CFR 60 Subpart Da]	DOES NOT APPLY. Unit is not an electric utility steam generating unit.
	Standards of Performance for Industrial-Commercial-Institutional Steam Generating Units [40 CFR 60 Subpart Dc]	DOES NOT APPLY. Unit has a maximum design capacity of greater than 100 MM BTU/hr.

The above table provides explanation for both the exemption status or non-applicability of a source cited by 2 or 3 in the matrix presented in Section X of this permit.

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Surveillance Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- A. The term of this permit shall be five (5) years from date of issuance. An application for a renewal of this 40 CFR Part 70 permit shall be submitted to the administrative authority no later than six months prior to the permit expiration date. Should a complete permit application not be submitted six months prior to the permit expiration date, a facility's right to operate is terminated pursuant to 40 CFR Section 70.7(c)(ii). Operation may continue under the conditions of this permit during the period of the review of the application for renewal. [LAC 33:III.507.E.1, E.3, E.4, reference 40 CFR 70.6(a)(2)]
- B. The conditions of this permit are severable; and if any provision of this permit or the application of any provision of this permit to any circumstance is held invalid, the application of such provision to other circumstances, and the remainder of this permit, shall not be affected thereby. [Reference 40 CFR 70.6(a)(5)]
- C. Permittee shall comply with all conditions of the 40 CFR Part 70 permit. Any permit noncompliance constitutes a violation of the Clean Air Act and is grounds for enforcement action; for permit termination, revocation and reissuance, or modification; or for denial of a permit renewal application. This permit may be modified, revoked, reopened and reissued, or terminated for cause. The filing of a request by the permittee for a permit modification, revocation and reissuance, or termination, or of a notification of planned changes or anticipated noncompliance does not stay any permit condition. [LAC 33:III.507.B.2, reference 40 CFR 70.6(a)(6)(i) & (iii)]
- D. It shall not be a defense for a permittee in an enforcement action that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance with the conditions of this permit. [Reference 40 CFR 70.6(a)(6)(ii)]
- E. This permit does not convey any property rights of any sort, or an exclusive privilege. [Reference 40 CFR 70.6(a)(6)(iv)]
- F. The permittee shall furnish to the permitting authority, within a reasonable time, any information that the permitting authority may request in writing to determine whether cause exists for modifying, revoking, and reissuing, or terminating the permit or to determine compliance with the permit. Upon request, the permittee shall also furnish to the permitting authority copies of records required to be kept by the permit or, for information claimed to be confidential, the permittee may furnish such records directly to the Administrator along with a claim of confidentiality. A claim of confidentiality does not relieve the permittee of the requirement to provide the information. [LAC 33:III.507.B.2, 517.F, reference 40 CFR 70.6(a)(6)(v)]
- G. Permittee shall pay fees in accordance with LAC 33:III.Chapter 2 and 40 CFR Section 70.6(a)(7). [LAC 33:III.501.C.2, reference 40 CFR 70.6(a)(7)]

40 CFR PART 70 GENERAL CONDITIONS

- H. Upon presentation of credentials and other documents as may be required by law, the permittee shall allow the permitting authority or authorized representative to perform the following:
1. enter upon the permittee's premises where a 40 CFR Part 70 source is located or emission-related activity is conducted, or where records must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(i)];
 2. have access to and copy, at reasonable times, any records that must be kept under the conditions of the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(ii)];
 3. inspect at reasonable times any facilities, equipment (including monitoring and air pollution control equipment), practices, or operations regulated or required under the permit [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iii)]; and
 4. as authorized by the Clean Air Act, sample or monitor at reasonable times substances or parameters for the purpose of assuring compliance with the permit or applicable requirements. [LAC 33:III.507.H.2, reference 40 CFR 70.6(c)(2)(iv)]
- I. All required monitoring data and supporting information shall be kept available for inspection at the facility or alternate location approved by the agency for a period of at least five (5) years from the date of the monitoring sample, measurement, report, or application. Supporting information includes calibration and maintenance records and all original strip-chart recordings for continuous monitoring instrumentation, and all reports required by the permit. [Reference 40 CFR 70.6(a)(3)(ii)(B)]
- J. Records of required monitoring shall include the following:
1. the date, place as defined in the permit, and time of sampling or measurements;
 2. the date(s) analyses were performed;
 3. the company or entity that performed the analyses;
 4. the analytical techniques or methods used;
 5. the results of such analyses; and
 6. the operating conditions as existing at the time of sampling or measurement.
- [Reference 40 CFR 70.6(a)(3)(ii)(A)]
- K. Permittee shall submit at least semiannually, reports of any required monitoring, clearly identifying all instances of deviations from permitted monitoring requirements, certified by a responsible company official. For previously reported deviations, in lieu of attaching the individual deviation reports, the semiannual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The semiannual reports shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding period encompassing July through December and September 30 for the preceding period encompassing January through June. Any quarterly deviation report required to be submitted by March 31 or September 30 in accordance with Part 70 General Condition R may be consolidated with the semi-annual reports required by this general condition as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [LAC 33:III.507.H, reference 40 CFR 70.6(a)(3)(iii)(A)]
- L. The permittee shall submit at least semiannual reports on the status of compliance pursuant to 40 CFR Section 70.5 (c) (8) and a progress report on any applicable schedule of compliance pursuant to 40 CFR Section 70.6 (c) (4). [LAC 33:III.507.H.1, reference 40 CFR 70.6(c)(4)]

40 CFR PART 70 GENERAL CONDITIONS

- M. Compliance certifications per LAC 33:III.507.H.5 shall be submitted to the Administrator as well as the permitting authority. For previously reported compliance deviations, in lieu of attaching the individual deviation reports, the annual report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The compliance certifications shall be submitted to the Office of Environmental Compliance, Enforcement Division by March 31 for the preceding calendar year. [LAC 33:III.507.H.5, reference 40 CFR 70.6(c)(5)(iv)]
- N. If the permittee seeks to reserve a claim of an affirmative defense as provided in LAC 33:III.507.J.2, the permittee shall, in addition to any emergency or upset provisions in any applicable regulation, notify the permitting authority within 2 working days of the time when emission limitations were exceeded due to the occurrence of an upset. In the event of an upset, as defined under LAC 33:III.507.J, which results in excess emissions, the permittee shall demonstrate through properly signed, contemporaneous operating logs, or other relevant evidence that: 1) an emergency occurred and the cause was identified; 2) the permitted facility was being operated properly at the time; and 3) during the emergency the permittee took all reasonable steps to minimize levels of emissions that exceeded the emission standard or requirement of the permit. [LAC 33:III.507.J.2, reference 40 CFR 70.6(g)(3)(iv) & (i-iii)]
- O. Permittee shall maintain emissions at a level less than or equal to that provided for under the allowances that the 40 CFR Part 70 source lawfully holds under Title IV of the Clean Air Act or the regulations promulgated thereunder. No permit revision shall be required for increases in emissions that are authorized by allowances acquired pursuant to the acid rain program, provided that such increases do not require a permit revision under any other applicable requirement. No limit shall be placed on the number of allowances held by the source. The source may not, however, use allowances as a defense to noncompliance with any other applicable requirement. Any such allowance shall be accounted for according to the procedures established in regulations promulgated under Title IV of the Clean Air Act. [Reference 40 CFR 70.6(a)(4)]
- P. Any permit issued pursuant to 40 CFR Part 70 may be subject to reopening prior to the expiration of the permit for any of the conditions specified in 40 CFR Section 70.7(f) or LAC 33:III.529. [LAC 33:III.529.A-B, reference 40 CFR 70.7(f)]
- Q. Permittee may request an administrative amendment to the permit to incorporate test results from compliance testing if the following criteria are met:
1. the changes are a result of tests performed upon start-up of newly constructed, installed, or modified equipment or operations;
 2. increases in permitted emissions will not exceed five tons per year for any regulated pollutant;
 3. increases in permitted emissions of Louisiana toxic air pollutants or of federal hazardous air pollutants would not constitute a modification under LAC 33:III. Chapter 51 or under Section 112 (g) of the Clean Air Act;
 4. changes in emissions would not require new source review for prevention of significant deterioration or nonattainment and would not trigger the applicability of any federally applicable requirement;
 5. changes in emissions would not qualify as a significant modification; and
 6. the request is submitted no later than 12 months after commencing operation. [LAC 33:III.523.A, reference 40 CFR 70.7(d)]

40 CFR PART 70 GENERAL CONDITIONS

- R. Permittee shall submit prompt reports of all permit deviations as specified below to the Office of Environmental Compliance, Enforcement Division. All such reports shall be certified by a responsible official in accordance with 40 CFR 70.5(d).
1. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 2. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 3. A written report shall be submitted quarterly to address all permit deviations not included in paragraphs 1 or 2 above. Unless required by an applicable reporting requirement, a written report is not required during periods in which there is no deviation. The quarterly deviation reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by Part 70 General Condition K as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. For previously reported permit deviations, in lieu of attaching the individual deviation reports, the quarterly report may clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any permit deviations occurring during the corresponding specified calendar quarter:
 - a. Report by June 30 to cover January through March
 - b. Report by September 30 to cover April through June
 - c. Report by December 31 to cover July through September
 - d. Report by March 31 to cover October through December
 4. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided such reports are certified in accordance with 40 CFR 70.5(d) and contain all information relevant to the permit deviation. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107. [Reference 40 CFR 70.6(a)(3)(iii)(B)]
- S. Permittee shall continue to comply with applicable requirements on a timely basis, and will meet on a timely basis applicable requirements that become effective during the permit term. [Reference 40 CFR 70.5(c)(8)(iii)]

40 CFR PART 70 GENERAL CONDITIONS

T. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR Part 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:

1. Persons opening appliances for maintenance, service, repair, or disposal must comply with the required practices pursuant to 40 CFR 82.156;
2. Equipment used during the maintenance, service, repair, or disposal of appliances must comply with the standards for recycling and recovery equipment pursuant to 40 CFR 82.158;
3. Persons performing maintenance, service, repair, or disposal of appliances must be certified by an approved technician certification program pursuant to 40 CFR 82.161;
4. Persons disposing of small appliances, MVACs, and MVAC-like appliances must comply with recordkeeping requirements pursuant to 40 CFR 82.166. ("MVAC-like appliance" as defined at 40 CFR 82.152);
5. Persons owning commercial or industrial process refrigeration equipment must comply with the leak repair requirements pursuant to 40 CFR 82.156; and
6. Owners/operators of appliances normally containing 50 or more pounds of refrigerant must keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166. [Reference 40 CFR 82, Subpart F]

U. If the permittee performs a service on motor (fleet) vehicles when this service involves ozone-depleting substance refrigerant (or regulated substitute substance) in the motor vehicle air conditioner (MVAC), the permittee is subject to all the applicable requirements as specified in 40 CFR Part 82, Subpart B, Servicing of Motor Vehicle Air Conditioners.

The term "motor vehicle" as used in Subpart B does not include a vehicle in which final assembly of the vehicle has not been completed. The term "MVAC" as used in Subpart B does not include the air-tight sealed refrigeration system used as refrigerated cargo, or system used on passenger buses using HCFC-22 refrigerant. [Reference 40 CFR 82, Subpart B]

V. Data availability for continuous monitoring or monitoring to collect data at specific intervals: Except for monitoring malfunctions, associated repairs, and required quality assurance or control activities (including calibration checks and required zero and span adjustments), the permittee shall conduct all monitoring in continuous operation (or shall collect data at all required intervals) at all times that the emissions unit is operating. For purposes of reporting monitoring deviations under Part 70 General Conditions K and R, and unless otherwise provided for in the Specific Requirements (or Table 3) of this permit, the minimum degree of data availability shall be at least 90% (based on a monthly average) of the operating time of the emissions unit or activity being monitored. This condition does not apply to Leak Detection and Repair (LDAR) programs for fugitive emissions (e.g., 40 CFR 60 Subpart VV, 40 CFR 63 Subpart H).

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- I. This permit is issued on the basis of the emissions reported in the application for approval of emissions and in no way guarantees that the design scheme presented will be capable of controlling the emissions to the type and quantities stated. Failure to install, properly operate and/or maintain all proposed control measures and/or equipment as specified in the application and supplemental information shall be considered a violation of the permit and LAC 33:III.501. If the emissions are determined to be greater than those allowed by the permit (e.g. during the shakedown period for new or modified equipment) or if proposed control measures and/or equipment are not installed or do not perform according to design efficiency, an application to modify the permit must be submitted. All terms and conditions of this permit shall remain in effect unless and until revised by the permitting authority.
- II. The permittee is subject to all applicable provisions of the Louisiana Air Quality Regulations. Violation of the terms and conditions of the permit constitutes a violation of these regulations.
- III. The Emission Rates for Criteria Pollutants, Emission Rates for TAP/HAP & Other Pollutants, and Specific Requirements sections or, where included, Emission Inventory Questionnaire sheets establish the emission limitations and are a part of the permit. Any operating limitations are noted in the Specific Requirements or, where included, Tables 2 and 3 of the permit. The synopsis is based on the application and Emission Inventory Questionnaire dated December 1, 2003, along with supplemental information dated May 11, 2005, October 30, 2006, and November 9, 2006.
- IV. This permit shall become invalid, for the sources not constructed, if:
 - A. Construction is not commenced, or binding agreements or contractual obligations to undertake a program of construction of the project are not entered into, within two (2) years (18 months for PSD permits) after issuance of this permit, or;
 - B. If construction is discontinued for a period of two (2) years (18 months for PSD permits) or more.

The administrative authority may extend this time period upon a satisfactory showing that an extension is justified.

This provision does not apply to the time period between construction of the approved phases of a phased construction project. However, each phase must commence construction within two (2) years (18 months for PSD permits) of its projected and approved commencement date.
- V. The permittee shall submit semiannual reports of progress outlining the status of construction, noting any design changes, modifications or alterations in the construction schedule which have or may have an effect on the emission rates or ambient air quality levels. These reports shall continue to be submitted until such time as construction is certified as being complete. Furthermore, for any significant change in the design, prior approval shall be obtained from the Office of Environmental Services, Air Permits Division.
- VI. The permittee shall notify the Department of Environmental Quality, Office of Environmental Services, Air Permits Division within ten (10) calendar days from the date that construction is certified as complete and the estimated date of start-up of operation. The appropriate Regional Office shall also be so notified within the same time frame.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- VII. Any emissions testing performed for purposes of demonstrating compliance with the limitations set forth in paragraph III shall be conducted in accordance with the methods described in the Specific Conditions and, where included, Tables 1, 2, 3, 4, and 5 of this permit. Any deviation from or modification of the methods used for testing shall have prior approval from the Office of Environmental Assessment, Air Quality Assessment Division.
- VIII. The emission testing described in paragraph VII above, or established in the specific conditions of this permit, shall be conducted within sixty (60) days after achieving normal production rate or after the end of the shakedown period, but in no event later than 180 days after initial start-up (or restart-up after modification). The Office of Environmental Assessment, Air Quality Assessment Division shall be notified at least (30) days prior to testing and shall be given the opportunity to conduct a pretest meeting and observe the emission testing. The test results shall be submitted to the Air Quality Assessment Division within sixty (60) days after the complete testing. As required by LAC 33:III.913, the permittee shall provide necessary sampling ports in stacks or ducts and such other safe and proper sampling and testing facilities for proper determination of the emission limits.
- IX. The permittee shall, within 180 days after start-up and shakedown of each project or unit, report to the Office of Environmental Compliance, Enforcement Division any significant difference in operating emission rates as compared to those limitations specified in paragraph III. This report shall also include, but not be limited to, malfunctions and upsets. A permit modification shall be submitted, if necessary, as required in Condition I.
- X. The permittee shall retain records of all information resulting from monitoring activities and information indicating operating parameters as specified in the specific conditions of this permit for a minimum of at least five (5) years.
- XI. If for any reason the permittee does not comply with, or will not be able to comply with, the emission limitations specified in this permit, the permittee shall provide the Office of Environmental Compliance, Enforcement Division with a written report as specified below.
- A. A written report shall be submitted within 7 days of any emission in excess of permit requirements by an amount greater than the Reportable Quantity established for that pollutant in LAC 33.I.Chapter 39.
 - B. A written report shall be submitted within 7 days of the initial occurrence of any emission in excess of permit requirements, regardless of the amount, where such emission occurs over a period of seven days or longer.
 - C. A written report shall be submitted quarterly to address all emission limitation exceedances not included in paragraphs A or B above. The schedule for submittal of quarterly reports shall be no later than the dates specified below for any emission limitation exceedances occurring during the corresponding specified calendar quarter:
 - 1. Report by June 30 to cover January through March
 - 2. Report by September 30 to cover April through June
 - 3. Report by December 31 to cover July through September
 - 4. Report by March 31 to cover October through December

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

D. Each report submitted in accordance with this condition shall contain the following information:

1. Description of noncomplying emission(s);
2. Cause of noncompliance;
3. Anticipated time the noncompliance is expected to continue, or if corrected, the duration of the period of noncompliance;
4. Steps taken by the permittee to reduce and eliminate the noncomplying emissions; and
5. Steps taken by the permittee to prevent recurrences of the noncomplying emissions.

E. Any written report submitted in advance of the timeframes specified above, in accordance with an applicable regulation, may serve to meet the reporting requirements of this condition provided all information specified above is included. For Part 70 sources, reports submitted in accordance with Part 70 General Condition R shall serve to meet the requirements of this condition provided all specified information is included. Reporting under this condition does not relieve the permittee from the reporting requirements of any applicable regulation, including LAC 33.I.Chapter 39, LAC 33.III.Chapter 9, and LAC 33.III.5107.

XII. Permittee shall allow the authorized officers and employees of the Department of Environmental Quality, at all reasonable times and upon presentation of identification, to:

- A. Enter upon the permittee's premises where regulated facilities are located, regulated activities are conducted or where records required under this permit are kept;
- B. Have access to and copy any records that are required to be kept under the terms and conditions of this permit, the Louisiana Air Quality Regulations, or the Act;
- C. Inspect any facilities, equipment (including monitoring methods and an operation and maintenance inspection), or operations regulated under this permit; and
- D. Sample or monitor, for the purpose of assuring compliance with this permit or as otherwise authorized by the Act or regulations adopted thereunder, any substances or parameters at any location.

XIII. If samples are taken under Section XII.D. above, the officer or employee obtaining such samples shall give the owner, operator or agent in charge a receipt describing the sample obtained. If requested prior to leaving the premises, a portion of each sample equal in volume or weight to the portion retained shall be given to the owner, operator or agent in charge. If an analysis is made of such samples, a copy of the analysis shall be furnished promptly to the owner, operator or agency in charge.

XIV. The permittee shall allow authorized officers and employees of the Department of Environmental Quality, upon presentation of identification, to enter upon the permittee's premises to investigate potential or alleged violations of the Act or the rules and regulations adopted thereunder. In such investigations, the permittee shall be notified at the time entrance is requested of the nature of the suspected violation. Inspections under this subsection shall be limited to the aspects of alleged violations. However, this shall not in any way preclude prosecution of all violations found.

**LOUISIANA AIR EMISSION PERMIT
GENERAL CONDITIONS**

- XV. The permittee shall comply with the reporting requirements specified under LAC 33:III.919 as well as notification requirements specified under LAC 33:III.927.
- XVI. In the event of any change in ownership of the source described in this permit, the permittee and the succeeding owner shall notify the Office of Environmental Services, Air Permits Division, within ninety (90) days after the event, to amend this permit.
- XVII. Very small emissions to the air resulting from routine operations, that are predictable, expected, periodic, and quantifiable and that are submitted by the permitted facility and approved by the Air Permits Division are considered authorized discharges. Approved activities are noted in the General Condition XVII Activities List of this permit. To be approved as an authorized discharge, these very small releases must:
1. Generally be less than 5 TPY
 2. Be less than the minimum emission rate (MER)
 3. Be scheduled daily, weekly, monthly, etc., or
 4. Be necessary prior to plant startup or after shutdown [line or compressor pressuring/depressuring for example]

These releases are not included in the permit totals because they are small and will have an insignificant impact on air quality. This general condition does not authorize the maintenance of a nuisance, or a danger to public health and safety. The permitted facility must comply with all applicable requirements, including release reporting under LAC 33:I.3901.

- XVIII. Provisions of this permit may be appealed in writing pursuant to La. R.S. 30:2024(A) within 30 days from receipt of the permit. Only those provisions specifically appealed will be suspended by a request for hearing, unless the secretary or the assistant secretary elects to suspend other provisions as well. Construction cannot proceed except as specifically approved by the secretary or assistant secretary. A request for hearing must be sent to the following:

Attention: Office of the Secretary, Legal Services Division
La. Dept. of Environmental Quality
Post Office Box 4302
Baton Rouge, Louisiana 70821-4302

- XIX. Certain Part 70 general conditions may duplicate or conflict with state general conditions. To the extent that any Part 70 conditions conflict with state general conditions, then the Part 70 general conditions control. To the extent that any Part 70 general conditions duplicate any state general conditions, then such state and Part 70 provisions will be enforced as if there is only one condition rather than two conditions.

General Information

AI ID: 2367 Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

Permit Number: 2610-V2

Air - Title V General Permit Renewal

Also Known As:	ID	Name	User Group	Start Date
	1280-00007	Syngenta Crop Protection Inc - St Gabriel Plant	CDS Number	04-04-1972
	1280-0007	Syngenta Crop Protection Inc - St Gabriel Plant	Emission Inventory	03-03-2004
	LAD053783445	Syngenta Crop Protection Inc	Hazardous Waste Notification	08-18-1980
	PMT/CA	GPRA Baselines	Hazardous Waste Permitting	10-01-1997
	LAD053783445	Ciba Geigy	Inactive & Abandoned Sites	11-23-1999
	LA0005487	WPC File Number	LPDES Permit #	05-22-2003
	LA0095478	WPC File Number	LPDES Permit #	05-22-2003
	WP0956	WPC State Permit Number	LWDPS Permit #	06-25-2003
	WP4554	WPC State Permit Number	LWDPS Permit #	06-25-2003
	04042	LELAP #	Laboratory Services Division	10-17-2001
	LA-2219-L01	Priority 1 Emergency Site	Priority 1 Emergency Site	07-18-2006
	G-047-2031	Radioactive Material License	Radiation License Number	12-08-2000
	GPD-047-0107	Site ID #	Solid Waste Facility No.	11-21-1999
	GPD-047-0224	Site ID #	Solid Waste Facility No.	08-13-2001
	16945	Ciba-Geigy Corp	Solid Waste Facility No.	01-08-2002
	24824	Ciba-Geigy Corp	TEMPO Merge	01-08-2001
	31435	Syngenta Crop Protection Inc	TEMPO Merge	03-22-2001
	38791	Novartis	TEMPO Merge	03-12-2001
	4418	Novartis Crop Protection Inc	TEMPO Merge	02-04-2001
	45830	Zeneca Ag Production Inc	TEMPO Merge	03-19-2001
	48920	Zeneca Inc	TEMPO Merge	03-19-2001
	75341	Ciba-Geigy Corp	TEMPO Merge	03-12-2001
	96982	Ciba-Geigy Corp	TEMPO Merge	03-12-2001
	1280-0007	Toxic Emissions Data Inventory #	TEMPO Merge	02-27-2002
	70776CBGGYRIVER	TRI #	Toxic Emissions Data Inventory #	01-01-1991
	70776CMRCSHWY75	TRI #	Toxic Release Inventory	07-08-2004
	23002025	UST Facility ID (from UST legacy data)	Toxic Release Inventory	07-09-2004
	729	Water Permit #	Underground Storage Tanks	10-11-2002
			Water Permitting	11-21-1999

Physical Location:

3905 Hwy 75
St. Gabriel, LA 70776

Mailing Address:

PO Box 11

Main FAX: 2256421653
Main Phone: 2256421100

General Information

AI ID: 2367 Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

Permit Number: 2610-V2

Air - Title V General Permit Renewal

St. Gabriel, LA 707760011

Location of Front Gate: 30° 14' 48" 22 hundredths latitude, 91° 6' 12" 63 hundredths longitude, Coordinate Method: GPS Code (Pseudo Range) Differential, Coordinate Datum: NAD83

Related People:

Name	Mailing Address	Phone (Type)	Relationship
Richard Boudreau	PO Box 11 St. Gabriel, LA 707760011	2256421257 (WP)	Hazardous Waste Permit Contact For
Ralph Caddell	PO Box 11 St. Gabriel, LA 707760011		Responsible Official for
Victor R. Cross	PO Box 11 St. Gabriel, LA 707760011	2256421483 (WP)	Water Permit Contact For
Victor R. Cross	PO Box 11 St. Gabriel, LA 707760011	2256421483 (WP)	Water Billing Party for
Victor R. Cross	PO Box 11 St. Gabriel, LA 707760011	2256421483 (WP)	Underground Storage Tank Contact for
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2256421794 (W/F)	Radiation Safety Officer for
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2253179150 (CP)	Radiation Safety Officer for
Mark Graham	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Radiation Safety Officer for
Bruce Raff	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Air Permit Contact For
Bruce Raff	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Accident Prevention Billing Party for
Bruce Raff	PO Box 11 St. Gabriel, LA 707760011	2256421686 (WP)	Accident Prevention Contact for

Related Organizations:

Name	Address	Phone (Type)	Relationship
Syngenta Crop Protection Inc	PO Box 11 St. Gabriel, LA 707760011	2256421100 (WP)	Owns
Syngenta Crop Protection Inc	PO Box 11 St. Gabriel, LA 707760011	2256421100 (WP)	Air Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St. Gabriel, LA 707760011	2256421100 (WP)	Operates
Syngenta Crop Protection Inc	PO Box 11 St. Gabriel, LA 707760011	2256421100 (WP)	UST Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St. Gabriel, LA 707760011	2256421100 (WP)	Solid Waste Billing Party for
Syngenta Crop Protection Inc	PO Box 11 St. Gabriel, LA 707760011	2256421100 (WP)	Radiation License Billing Party for

SIC Codes:

2819, Industrial Inorganic chemicals, nec
2869, Industrial organic chemicals, nec
2879, Pesticides and agricultural chemicals, nec

Note: This report entitled "General Information" contains a summary of facility-level information contained in LDEQ's TEMPO database for this facility and is not considered a part of the permit. Please review the information contained in this document for accuracy and completeness. If any changes are required or if you have questions regarding this document, you may contact Mr. David Ferrand, Environmental Assistance Division, at (225) 219-3247 or email your changes to facupdate@la.gov.

INVENTORIES

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant
Activity Number: PER20030018
Permit Number: 2610-V2
Air - Title V General Permit Renewal

Subject Item Inventory:

ID	Description	Tank Volume	Max. Operating Rate	Normal Operating Rate	Contents	Operating Time
EQT220	CT-A: Cooling Tower A		30000 gallons/min	30000 gallons/min		8760 hr/yr (All Year)
EQT221	CT-B: Cooling Tower B		25000 gallons/min	25000 gallons/min		8760 hr/yr (All Year)
EQT222	007: Boiler B		138 MM BTU/hr	138 MM BTU/hr		8760 hr/yr (All Year)

Subject Item Groups:

ID	Description	Included Components (from Above)
GRP040	Utilities Area	EQT220 CT-A: Cooling Tower A
GRP040	Utilities Area	EQT221 CT-B: Cooling Tower B
GRP040	Utilities Area	EQT222 007: Boiler B

Relationships:

Stack Information:

ID	Velocity (ft/sec)	Flow Rate (cubic ft/min-actual)	Diameter (feet)	Discharge Area (square feet)	Height (feet)	Temperature (oF)
AI236						
EQT222 007: Boiler B	18.5	44883	5		50	350

Fee Information:

Subj Item Id	Multiplier	Units Of Measure	Fee Desc
GRP011	150	1,000 Lbs/Hr	1540 - Steam Gen. Units-Natural Gas or Comb Non-Fossil Fuels (Rated Capacity)

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

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Air - Title V General Permit Renewal

EQT220 CT-A: Cooling Tower A

- 1 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

EQT221 CT-B: Cooling Tower B

- 2 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes. [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average

EQT222 007: Boiler B

- 3 Opacity \leq 20 percent, except during the cleaning of a fire box or building of a new fire, soot blowing or lancing, charging of an incinerator, equipment changes, ash removal or rapping of precipitators, which may have an opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1101.B]
Which Months: All Year Statistical Basis: None specified
- 4 Opacity \leq 20 percent; except emissions may have an average opacity in excess of 20 percent for not more than one six-minute period in any 60 consecutive minutes (Complies by using sweet natural gas as fuel). [LAC 33:III.1311.C]
Which Months: All Year Statistical Basis: Six-minute average
- 5 Total suspended particulate \leq 0.6 lb/MMBTU of heat input (Complies by using sweet natural gas as fuel). [LAC 33:III.1313.C]
Which Months: All Year Statistical Basis: None specified
- 6 Equipment/operational data recordkeeping by electronic or hard copy continuously. Record and keep on site for at least five years the data required to demonstrate exemption from the provisions of LAC 33:III.Chapter 15. Record all emissions data in the units of the standard using the averaging time of the standard. Make records available to a representative of DEQ or the U.S. EPA on request. [LAC 33:III.1513]
- 7 Nitrogen oxides \leq 0.2 lb/MMBTU. [LAC 33:III.2201.D.1]
Which Months: May-Sep Statistical Basis: Thirty-day rolling average
- 8 Fuel monitored by totalizer continuously. Monitor fuel usage with a totalizing fuel meter. [LAC 33:III.2201.H.1.a.i]
Which Months: May-Sep Statistical Basis: None specified
- 9 Submit Notification: Due at least 30 days prior to any compliance testing conducted under LAC 33:III.2201.G and any CEMS or PEMS performance evaluation conducted under LAC 33:III.2201.H in order to give DEQ an opportunity to conduct a pretest meeting and observe the emission testing. [LAC 33:III.2201.I.1]
- 10 Submit test results: Due within 60 days after completing the emission testing required in LAC 33:III.2201.I.1. [LAC 33:III.2201.I.1]
- 11 Submit report: Due within 90 days of the end of each quarter for any noncompliance of the applicable emission limitations of LAC 33:III.2201.D or E. Include the information specified in LAC 33:III.2201.I.2.a through I.2.d. [LAC 33:III.2201.I.2]
- 12 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency. Maintain records of the information specified in LAC 33:III.2201.I.3 and I.4 as applicable. [LAC 33:III.2201.I]
- 13 Nitrogen oxides \leq 0.2 lb/MMBTU (86 ng/J) heat input (expressed as NO₂), except as provided in 40 CFR 60.44b(k). The nitrogen oxide standards apply at all times, including periods of startup, shutdown, or malfunction. Subpart Db. [40 CFR 60.44b]
Which Months: All Year Statistical Basis: Thirty-day rolling average
- 14 Determine compliance with the NO_x standards in 40 CFR 60.44b through performance testing under 40 CFR 60.46b(e) or (f), or under 40 CFR 60.46b(g) or (h), as applicable. Testing completed and approved by DEQ. Subpart Db. [40 CFR 60.46b(c)]

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

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Air - Title V General Permit Renewal

EQ222

007: Boiler B

- 15 Nitrogen oxides monitored by CMS continuously. Calculate nitrogen oxides emission rates as specified in 40 CFR 60.48b(d), except as provided in 40 CFR 60.48(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
Which Months: All Year Statistical Basis: Hourly average
- 16 Nitrogen oxides recordkeeping by CMS continuously, except as provided in 40 CFR 60.48(g), (h), and (i). Subpart Db. [40 CFR 60.48b(b)(1)]
- 17 Operate NOx continuous monitoring systems and record data during all periods of operation of the affected facility except for continuous monitoring system breakdowns and repairs. Record data during calibration checks, and zero and span adjustments. Subpart Db. [40 CFR 60.48b(c)]
- 18 Follow the procedures under 40 CFR 60.13 and 40 CFR 60.48b(e)(1) through (e)(3) for installation, evaluation, and operation of the NOx and opacity continuous monitoring systems. Subpart Db. [40 CFR 60.48b(e)]
- 19 When nitrogen oxides emission data are not obtained because of continuous monitoring system breakdowns, repairs, calibration checks and zero and span adjustments, obtain emission data by using standby monitoring systems, 40 CFR 60, Appendix A, Method 7, Method 7a, or other approved reference methods to provide emission data for a minimum of 75 percent of the operating hours in each steam generating unit operating day, in at least 22 out of 30 successive steam generating unit operating days. Subpart Db. [40 CFR 60.48b(f)]
- 20 Comply with the provisions of 40 CFR 60.48b(b), (c), (d), (e)(2), (e)(3), and (f), or monitor steam generating unit operating conditions and predict nitrogen oxides emission rates as specified in a plan submitted pursuant to 60.49b(c). Subpart Db. [40 CFR 60.48b(g)]
- 21 Submit notification: Due as provided by 40 CFR 60.7. Submit a notification of the actual date of initial startup including design heat input capacity of the affected facility, identification of fuels to be combusted, copy of any federally enforceable requirement limiting annual capacity factor, and all other data as specified in 40 CFR 60.49b(a)(1) through (a)(4). Subpart Db. [40 CFR 60.49b(a)]
- 22 Submit the maximum heat input capacity data from the demonstration of the maximum heat input capacity of the affected facility to DEQ. Subpart Db. [40 CFR 60.49b(b)]
- 23 Fuel rate recordkeeping by electronic or hard copy daily. Record the amounts of each fuel combusted during each day and calculate the annual capacity factor individually for coal, distillate oil, residual oil, natural gas, wood, and municipal-type solid waste for the reporting period. Determine the annual capacity factor on a 12-month rolling average basis with a new annual capacity factor calculated at the end of each calendar month. Subpart Db. [40 CFR 60.49b(d)]
- 24 Equipment/operational data recordkeeping by electronic or hard copy at the regulation's specified frequency, except as provided in 40 CFR 60.49b(p). Maintain records of the information listed in 40 CFR 60.49b(g)(1) through (g)(10) for each steam generating unit operating day, except as provided under 40 CFR 60.49b(p). Subpart Db. [40 CFR 60.49b(g)]
- 25 Submit excess emissions report: Due by the 30th day following the end of each six-month period. Report any excess emissions which occurred during the reporting period. Subpart Db. [40 CFR 60.49b(h)]
- 26 Submit reports containing the nitrogen dioxide emission rate information recorded under 40 CFR 60.49b(g). Subpart Db. [40 CFR 60.49b(i)]
- 27 Maintain all records required under 40 CFR 60.49b for a period of 5 years following the date of such record. Subpart Db. [40 CFR 60.49b(o)]
- 28 Submit a report to DEQ containing the annual capacity factor over the previous 12 months, the average fuel nitrogen content during the reporting period if residual oil was fired, and all other applicable information per 40 CFR 60.49b(q)(1) through (q)(3). Subpart Db. [40 CFR 60.49b(q)]
- 29 Comply with all applicable provisions of 40 CFR 60 Subpart A. [40 CFR 60 Subpart A]

GRP040

Utilities Area

- 30 Emissions of smoke which pass onto or across a public road and create a traffic hazard by impairment of visibility as defined in LAC 33:III.111 or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1103]
- 31 Outdoor burning of waste material or other combustible material is prohibited. [LAC 33:III.1109.B]

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

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Air - Title V General Permit Renewal

GRP040 Utilities Area

- 32 Emissions of particulate matter which pass onto or across a public road and create a traffic hazard by impairment of visibility or intensify an existing traffic hazard condition are prohibited. [LAC 33:III.1303.B]
- 33 Maintain best practical housekeeping and maintenance practices at the highest possible standards to reduce the quantity of organic compounds emissions. Good housekeeping shall include, but not be limited to, the practices listed in LAC 33:III.2113.A.1-5. [LAC 33:III.2113.A]
- 34 Failure to pay the prescribed application fee or annual fee as provided herein, within 90 days after the due date, will constitute a violation of these regulations and shall subject the person to applicable enforcement actions under the Louisiana Environmental Quality Act including, but not limited to, revocation or suspension of the applicable permit, license, registration, or variance. [LAC 33:III.219]
- 35 Discharges of odorous substances at or beyond property lines which cause a perceived odor intensity of six or greater on the specified eight point butanol scale as determined by Method 41 of LAC 33:III.2901.G are prohibited. [LAC 33:III.2901.D]
- 36 If requested to monitor for odor intensity, take and transport samples in a manner which minimizes alteration of the samples either by contamination or loss of material. Evaluate all samples as soon after collection as possible in accordance with the procedures set forth in LAC 33:III.2901.G. [LAC 33:III.2901.F]
- 37 Maintain best practical housekeeping and maintenance practices at the highest possible standards to control emissions of highly reactive volatile organic compounds (HRVOC), which include 1,3-Butadiene, Butene, cis-2-Butene, trans-2-Butene, Ethylene, Propylene, m/p-Xylene, o-Xylene. [LAC 33:III.501.C.6]
- 38 Carbon monoxide \leq 55.91 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 39 Nitrogen oxides \leq 30.22 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 40 Particulate matter (10 microns or less) \leq 12.36 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 41 Sulfur dioxide \leq 0.35 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 42 VOC, Total \leq 3.02 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 43 Benzene \leq 0.001 tons/yr. [LAC 33:III.501.C.6]
Which Months: All Year Statistical Basis: Annual maximum
- 44 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 1st of July to the Department of Environmental Quality, Office of Environmental Services, Permits Division. Include the information in LAC 33:III.5307.A for the preceding calendar year. [LAC 33:III.5307.B]
- 45 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 5 when the administrative authority declares an Air Pollution Alert. [LAC 33:III.5609.A.1.b]
- 46 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 6 when the administrative authority declares an Air Pollution Warning. [LAC 33:III.5609.A.2.b]
- 47 Activate the preplanned abatement strategy listed in LAC 33:III.5611.Table 7 when the administrative authority declares an Air Pollution Emergency. [LAC 33:III.5609.A.3.b]
- 48 Prepare standby plans for the reduction of emissions during periods of Air Pollution Alert, Air Pollution Warning and Air Pollution Emergency. Design standby plans to reduce or eliminate emissions in accordance with the objectives as set forth in LAC 33:III.5611.Tables 5, 6, and 7. [LAC 33:III.5609.A]
- 49 Comply with the provisions in 40 CFR 68, except as specified in LAC 33:III.5901. [LAC 33:III.5901.A]
- 50 Submit Emission Inventory (EI)/Annual Emissions Statement: Due annually, by the 31st of March for the period January 1 to December 31 of the previous year unless otherwise directed. Submit emission inventory data in the format specified by the Office of Environmental Assessment, Environmental Evaluation Division. Include all data applicable to the emissions source(s), as specified in LAC 33:III.919.A-D. [LAC 33:III.919.D]
- 51 All affected facilities shall comply with all applicable provisions in 40 CFR 60 Subpart A. [40 CFR 60]
- 52 Submit Title V permit application for renewal: Due 180 calendar days before permit expiration date. [40 CFR 70.5(a)(1)(iii)]

SPECIFIC REQUIREMENTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

Permit Number: 2610-V2

Air - Title V General Permit Renewal

GRP040

Utilities Area

- 53 Submit Title V monitoring results report: Due semiannually, by March 31st and September 30th for the preceding periods encompassing July through December and January through June, respectively. Submit reports to the Office of Environmental Compliance, Surveillance Division. Certify reports by a responsible company official. Clearly identify all instances of deviations from permitted monitoring requirements. For previously reported deviations, in lieu of attaching the individual deviation reports, clearly reference the communication(s)/correspondence(s) constituting the prior report, including the date the prior report was submitted. [40 CFR 70.6(a)(3)(iii)(A)]
- 54 Submit Title V excess emissions report: Due quarterly, by June 30, September 30, December 31, March 31. Submit reports of all permit deviations to the Office of Environmental Compliance, Surveillance Division. Certify all reports by a responsible official in accordance with 40 CFR 70.5(d). The reports submitted on March 31 and September 30 may be consolidated with the semi-annual reports required by 40 CFR 70.6(a)(3)(iii)(A) as long as the report clearly indicates this and all required information is included and clearly delineated in the consolidated report. [40 CFR 70.6(a)(3)(iii)(B)]
- 55 Submit Title V compliance certification: Due annually, by the 31st of March. Submit to the Office of Environmental Compliance, Surveillance Division. [40 CFR 70.6(c)(5)(iv)]

EMISSION RATES FOR CRITERIA POLLUTANTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

Permit Number: 2610-V2

Air - Title V General Permit Renewal

All phases

Subject Item	PM ₁₀			SO ₂		NOx			CO			VOC		
	Avg lb/hr	Max lb/hr	Tons/Year	Avg lb/hr	Tons/Year	Max lb/hr	Avg lb/hr	Tons/Year	Max lb/hr	Avg lb/hr	Tons/Year	Avg lb/hr	Max lb/hr	Tons/Year
EQT 220 CT-A	1.44	2.88	6.31											
EQT 221 CT-B	0.80	1.60	3.51											
EQT 222 007	0.58	0.70	2.54	0.08	0.10	0.35	6.90	27.60	30.22	12.76	32.20	55.91	0.69	0.83
														3.02

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Phase Totals:

PM10: 12.36 tons/yr

SO2: 0.35 tons/yr

NOx: 30.22 tons/yr

CO: 55.91 tons/yr

VOC: 3.02 tons/yr

Emission rates Notes:

EMISSION RATES FOR TAP/HAP & OTHER POLLUTANTS

AI ID: 2367 - Syngenta Crop Protection Inc - St Gabriel Plant

Activity Number: PER20030018

Permit Number: 2610-V2

Air - Title V General Permit Renewal

All phases

Benzene			
Subject Item	Avg lb/hr	Max lb/hr	Tons/Year
EQT 222 007	0.0003	0.0003	0.001

Note: Emission rates in bold are from alternate scenarios and are not included in permitted totals

Permit Parameter Totals:

Benzene: 0.001 tons/yr

Emission Rates Notes: